

SECTION C

NTS AREA 5 TRU WASTE SURVEY AND ANALYSIS STATEMENT OF WORK (SOW)

C.1 NTS AREA 5 TRU WASTE SURVEY AND ANALYSIS PURPOSE, OVERVIEW, BACKGROUND AND END-STATE VISION

C.1.1 Task Order Purpose and Overview

The objective of this task order is to conduct a survey and analysis/evaluation of Transuranic (TRU) Waste that is present in the Area 5 Radioactive Waste Management Site (RWMS) Low Level Waste (LLW) disposal trenches. The analysis will result in the identification of the nature and extent of TRU Waste components; the results of the analysis will then be added to the current Area 5 Performance Assessment (PA) model in GoldSim.

C.1.2 Background

See Section J, Appendix C.

C.2 TASK DESCRIPTION

The Contractor shall thoroughly investigate the Area 5 RWMS LLW disposal trenches and identify TRU Waste and TRU Waste components. The TRU Waste found as a result of the investigation shall be analyzed consistent with the requirement of 40 CFR 191; the results of these analyses shall be used to revise the Area 5 GoldSim Model; Quality Assurance (QA) components to accommodate the TRU Waste will also be included in the GoldSim Model. Contractor activities shall be documented in Monthly Project Status Reports that will be delivered to the Designated Contracting Officer's Representative (DCOR) identified in Section G.1.

C.2.1 Contractor Performance

The Contractor shall complete the following objectives:

- 1) Develop a Project Execution Plan outlining the path forward;
- 2) Investigate the Area 5 RWMS LLS Disposal Trenches and Identify the TRU Waste components present;
- 3) Analyze the TRU Waste for Form, Frequency, Content Density & Radiation Levels;
- 4) Revise the Area 5 GoldSim Model to include the analysis results;
- 5) Add Quality Assurance (QA) components to the TRU Waste identified and revise the Quality Assurance Performance Plan (QAPP) for the Area 5 GoldSim Model;
- 6) Develop Monthly Project Status Reports;
- 7) Develop Presentations on work execution as directed.

The tasks under this SOW are to be performed pursuant to all applicable US Department of Energy orders and directives and all applicable Federal, State and local laws and regulations.

C.2.2 Specific Task Objectives

C.2.2.1

The contractor shall develop a Project Execution Plan (PEP) specifying in detail how it intends to conduct the Area 5 RWMS LLW survey, investigation and analysis and recommend the path forward for all subsequent activities. The PEP shall be submitted to the DCOR for review and approval in accordance with (IAW) Section J, Appendix A, "Deliverables Schedule".

C.2.2.2

The Contractor shall conduct a Survey and thorough Investigation of the Area-5 RWMS LLW Disposal Trenches to identify TRU Waste & TRU Waste components present.

C.2.2.3

The Contractor shall perform a thorough analysis of the TRU Waste found in the trenches and evaluate those components consistent with the requirements of 40 CFR 191.

C.2.2.4

The Contractor shall revise the Draft Version 3.3 of the A-5 Performance Assessment (PA) Model with the Quality Assurance Performance Plan (QAPP) using the Area 5 GoldSim Model to include the results of the TRU Waste investigation and analysis. The TRU Waste components identified shall also be included in a larger environmental assessment and ALARA analysis and thus folded into the decision management components of the GoldSim Model.

C.2.2.5

The Contractor shall add Quality Assurance (QA) components to accommodate the TRU Waste components identified and revise the QAPP for the Area 5 GoldSim Model.

C.2.2.6

The Contractor shall develop Monthly Project Status Reports. The reports shall contain a project status narrative, identification of cost and schedule variances, a narrative explaining the cost and schedule variances, the description of a recovery plan to reduce the project variances and a narrative status report of project recovery.

C.2.2.7

The Contractor shall develop presentations on its work execution and progress as directed and approved by the DCOR identified in Section G.1. The presentations shall be delivered to DOE sites, facilities and or other locations at the discretion of the NSO. The contractor shall prepare the presentation within 5 working days from the date requested by the DCOR.

C.2.2.8

Occasional travel (not to exceed eight round trips each (16 trips total) to and from meetings and conferences may be needed in support of this project. The Contractor shall perform travel as directed and approved by the DCOR.

C.3 NEVADA TEST SITE (NTS) ACCESS AND OPERATIONS

The Contractor shall comply with the NTS Access and Operations requirements described in Section H.2, "NTS Access Safety".